



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

Review Document

Basic Details

| | | |
|----|----------------------------------|--|
| 1. | Sectional Committee No. & Title: | MTD 9 - Ores and Feed Stock for Non-Ferrous (Excluding Aluminium and Copper) Industry, their Metals/ Alloys and Products Sectional Committee |
| 2. | IS No : | IS 26 : 1992 |
| 3. | Title : | Tin ingot - Specification (Fourth Revision) |
| 4. | Date of Previous Review: | February, 2019 |

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

| S.No. | Standard (No.) | Standard (Title) | Whether the standard has since been revised | Major changes | Action proposed |
|-------|----------------|------------------|---|---------------|-----------------|
| 1 | Nil | Nil | Nil | Nil | Nil |

5.2 Status of standard referred in the IS.

| S.No. | Referred standards (No.) | Referred standards (Title) | Since revised IS no. of the corresponding IS | Changes in the referred Standards since last review of IS | Changes in the referred standard which are affecting the standard under review | Action proposed |
|-------|--------------------------|--|--|---|--|---------------------------------------|
| 1 | IS 1387 : 1967 | General requirements for supply metallurgical materials (first revision) | IS 1387:1993 | It was felt that the original title of the specification made reference only to metals and metal products and as such doubts were expressed while making reference to this standard in specifications relating to raw materials, such as refractory materials, ferro-alloys, metallurgical coke and foundry raw materials. Therefore, it was decided to change the title and scope of this standard to cover metallurgical materials including raw materials and finished products. | NO MAJOR CAHNGES | the revised standard may be referred. |
| 2 | IS 1817 : 1961 | Methods of sampling non-ferrous metals for chemical analysis | not revised since | NA | NA | THE STANDARD MAY BE REFERRED AS IT IS |
| 3 | IS 1940 : 1969 | Methods of chemical analysis of tin ingots (First revision) | Not revised since | na | NA | THE STANDARD MAY BE REFERRED AS IT IS |

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

| S.No. | Standard (No.) | Standard (Title) | Provisions that could be relevant while reviewing the IS | Action proposed |
|-------|-------------------|------------------------------------|--|--|
| 1 | BSEN 610 :1996 | Tin and tin alloys. Ingot tin | CLAUSE 4.2,4.3,6,8,8.2 and B.3.1 of this standard covers six grades of tin ingots with its chemical composition, shape of ingot and methods of sampling for chemical analysis | The standard covers only two grades of refined tin ingots. Hence it is proposed to include more grades of tin ingot along with its required chemical composition. |
| 2 | ASTM B 339 : 2019 | Standard Specification for Pig Tin | CLAUSE 1 and 5 of this standard covers the requirement of refined tin produced from both primary and secondary tin bearing materials .Also this standard discribs the different methods of manufacturing of refined Tin. | Since the standard IS 26 covers the requirement of virgin tin only.so it is proposed to include refined tin from secondary tin bearing material and different method of manufacture of refined Tin .The ordering information may also be provided in IS 26 |
| 3 | GB/T 728 : 2020 | Tin ingot | CLAUSE 3.4 of this standard mention the mass of ingot. | Since The Standard IS 26 did not mentioned about the mass of the Ingot,So it is been proposed to include the Mass of the the INGOT |

5.4 Technical comments on the standard received, if any.

| S.No. | Source | Clause of IS | Comment | Action proposed |
|-----------------------------|--------|--------------|---------|-----------------|
| No entry made in this table | | | | |

5.5 Information available on relevant technical developments

| S.No. | Source | Development | Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.) | Action proposed |
|-------|--------|-------------|--|-----------------|
|-------|--------|-------------|--|-----------------|

No entry made in this table

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

| S.No. | Related IS (revised or new) | Related IS Title | Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision | Changes that may be necessary in the Standards under review | Action proposed |
|-------|-----------------------------|------------------|--|---|-----------------|
|-------|-----------------------------|------------------|--|---|-----------------|

No entry made in this table

5.7 Any consequential changes to be considered in other IS.

| S.No. | Related IS to get impacted | Related IS Title | Requirements to be impacted |
|-------|----------------------------|---|---|
| 1 | IS 4280-1992 | Refined secondary tin - Ingot specification (Second Revision) | The standard should be withdrawn as the requirements have been already covered in the current revision of IS 26 AS PER INTERNATIONAL PRACTICES. |

Other Details

| | | |
|----|------------------------|--|
| 6. | Any other observation: | Kindly refer to the draft where changes are highlighted in red colour. |
|----|------------------------|--|

| | |
|----|-------------------------------|
| 7. | Upload Supporting Document(s) |
|----|-------------------------------|

7.1 ARP Report

[70_9124_230306024638_ARP_Report.docx](#)

7.2 Draft Document

[70_9124_230303010129_Draft_Document.docx](#)

| | |
|----|--|
| 8. | Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review: |
|----|--|

| |
|--|
| It is being proposed to merge the standard IS 4280 (Refined Secondary tin Ingot) with a common title Tin Ingot as per the available International Standards ASTM B 339, BSEN 610 and GB/T 728 and modify the standard by including grades from BSEN 610. |
|--|